

Listing of Claims:

Cancel Claim 1

Claims 2-8 previously canceled

Claim 9 (currently amended) A controlled access e-commerce catalog in a computer readable memory for storing identification of catalog items accessible by end user members of authorized groups of end users, said catalog containing:

- a) identification of an authorized group of end users;
- b) identification of selected catalog items and group information for said authorized group of end users, and a private key of said authorized group of end users for encrypting said group information;
- c) a public key for said authorized group of end users for decrypting encrypted group information, said public key corresponding respectively to said private key of said authorized group of end users ; and
- d) authentication means for granting access to said public key of said authorized group of end users for decrypting said encrypted group information for members of said authorized group of end users.

Claim 10 (currently amended) A controlled access e-commerce catalog in a computer readable memory for storing identification of catalog items accessible by end user members of authorized groups of end users, said catalog containing:

- a) identification of said authorized groups of end users;
- b) identification of selected catalog items and group information for each authorized group of end users, and a private key of said each authorized group of end users for encrypting said group information;
- c) a public key for each said authorized group of end users for decrypting encrypted group information, each said public key corresponding respectively to

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- a private key of each said authorized group of end users and,
- d) authentication means for granting access to said public key of each said authorized group of end users for respectively decrypting encrypted group information of each said authorized group for its end user members.

Claim 11 (currently amended) The catalog of claim 9 wherein said authentication means is responsive to receiving member identification for granting access to said public key of said authorized group of end users.

Claim 12 (previously added) The catalog of claim 9 wherein said group information includes group pricing.

Claim 13 (currently amended) The catalog of claim 12 further comprising decryption means for decrypting encrypted group pricing using said public key when pricing information is requested by an authenticated member of said authorized group of end users.

Claim 14 (currently amended) The catalog of claim 13 further comprising identification of said members of said authorized group of end users.

Claim 15 (currently amended) The catalog of claim 14 further comprising:

- a) encryption means for encrypting said group pricing by using said private key; and
- b) access means for accessing said encrypted group pricing of said authorized group of end users by said members, said access means being responsive to a member providing identification and authentication data for confirming authorization of said member to access said encrypted group pricing.

Claim 16 (currently amended) A multinodal information-handling e-commerce network including said catalog of claim 15 at a first node of said network.

Claim 17 (currently amended) [User] End user interface means at a second node of said network of claim 16, said end user interface means comprising:

- a) input means for accepting end user member input, including member identification and authentication data;
- b) communication means for sending said end user member input from said second node to said catalog over said e-commerce network.

Claim 18 (currently amended) The end user interface means of claim 17 wherein said communication means is adapted to receive information output from said catalog including identification of catalog items and decrypted group pricing, and said interface means comprises presentation means to display, for [a] an end user, identification and pricing of said catalog items.

Claim 19 (currently amended) The end user interface of claim 17 wherein said presentation means is adapted to present to [a] an end user:

- a) an input screen having an input field for said end user to enter a query including member identification and authentication data to be sent to said catalog by said communication means to request access to said catalog; and
- b) [a] an end user presentation screen to display information including decrypted pricing of catalog items available to said user after access to said catalog has been communicated to said communication means.

Claim 20 (currently amended) A method for managing a controlled access catalog in a computer readable memory for storing identification of catalog items accessible by members of authorized groups of end users, comprising:

- a) storing identification of an authorized group of end users;
- b) storing identification of selected catalog items and group information for said authorized group of end users;
- c) encrypting said group information with a private key of said authorized group of end users.

- d) storing a public key for said authorized group of end users for decrypting encrypted group information, said public key corresponding to said private key of said authorized group of end users; and
- e) authenticating and granting access to said public key of said authorized group of end users for decrypting said encrypted group information for members of said authorized group of end users.

Claim 21 (currently amended) The method of claim 19 wherein the step of authenticating is responsive to receiving member identification, for granting access to said public key of said authorized group of end users.

Claim 22 (previously added) The method of claim 19 wherein said group information includes group pricing.

Claim 23 (currently amended) The method of claim 22 further comprising decrypting encrypted group pricing using said public key when pricing information is requested by an authenticated member of said authorized group of end users.

Claim 24 (currently amended) The method of claim 23 further comprising storing identification of said members of said authorized group of end users.

Claim 25 (currently amended) The method of claim 24 further comprising:

- a) encrypting said group pricing of an authorized group of end users by using said private key of said authorized group of end users; and
- b) providing access to said encrypted group pricing of said authorized group of end users, responsive to [a] an end user providing identification and authentication data for confirming authorization of said member to access said encrypted group pricing.

Claim 26 (currently amended) A program product having a computer-readable medium storing computer-readable program code for managing a controlled access catalog in a computer

readable memory accessible by members of authorized groups of end users, said program code comprising:

- a) computer-readable program code for causing said computer to store identification of an authorized group of end users;
- b) computer-readable program code for causing said computer to store identification of selected catalog items and group information for said authorized group of end users;
- c) computer-readable program code for causing said computer to encrypt said group information with a private key of said authorized group of end users;
- d) computer-readable program code for causing said computer to store a public key for said authorized group for decrypting encrypted group information, said public key corresponding respectively to said private key of said authorized group of end users; and
- e) computer-readable program code for causing said computer to authenticate and grant access to said public key of said authorized group of end users for decrypting said encrypted group information for a member of said authorized group of end users.

Claim 27 (currently amended) The program product of claim 26 wherein the computer-readable program code for causing said computer to authenticate is responsive to receiving member identification.

Claim 28 (currently amended) The program product of claim 26 wherein said group information includes group pricing.

Claim 29 (currently amended) The program product of claim 28 further comprising computer-readable program code for causing said computer to decrypt encrypted group pricing using said public key when pricing information is requested by an authenticated member of said authorized group of end users.

Claim 30 (currently amended) The program product of claim 29 further comprising computer-

readable program code for causing said computer to store identification of said members of said authorized group of end users.

Claim 31 (currently amended) The program product of claim 30 further comprising computer-readable program code for causing said computer to access said encrypted group pricing of said authorized group by said members, responsive to a member providing identification and authentication data for confirming authorization of said member to access said encrypted group pricing.